

Maryland Department of Health (MDH)  
**Public Pool or Spa Plan Review (COMAR 10.17.01)**

Project Name \_\_\_\_\_ Date \_\_\_\_\_

*The following information is required for the MDH public pool or spa plan review. Ensure that the detailed specifications are provided to MDH along with the application. The review will not begin until each application item is provided.*

|   |   |                                       |   |   |                                      |                                      |  |  |
|---|---|---------------------------------------|---|---|--------------------------------------|--------------------------------------|--|--|
| <b>Project Description</b>                              | <input type="checkbox"/> New Construction |                                       | <input type="checkbox"/> Alteration, Specify: |   |                                      |                                      | <input type="checkbox"/> Other, Specify: |  |
|   | Pool                                      | <input type="checkbox"/> Recreational | <input type="checkbox"/> Semi-public          | <input type="checkbox"/> Outdoor        | <input type="checkbox"/> Indoor      | <input type="checkbox"/> Diving      | <input type="checkbox"/> Night Swim      |  |
|   | Spa                                       | <input type="checkbox"/> Public       | <input type="checkbox"/> Semi-public          | <input type="checkbox"/> Outdoor        | <input type="checkbox"/> Indoor      |                                      |  |  |
|   | Water Recreational Feature(s)             | <input type="checkbox"/> Bridge       | <input type="checkbox"/> Float                | <input type="checkbox"/> Fountain       | <input type="checkbox"/> Slide ≤ 10' | <input type="checkbox"/> Slide > 10' | <input type="checkbox"/> Tube Ride       |  |
|   |   | <input type="checkbox"/> Waterfall    | <input type="checkbox"/> Wave Pool            | <input type="checkbox"/> Other, specify |                                      |                                      |  |  |
| <input type="checkbox"/> Water Play Equipment, specify: |   |                                       |   |   |                                      |                                      |  |  |
| <b>User Load</b>  | (O) Main Pool                             | (I) Main Pool                         | (O) Wading Pool                               | (I) Wading Pool                         | (O) Spa                              | (I) Spa                              | Other, Specify:                          |  |
|   |   |                                       |   |   |                                      |                                      |  |  |

**POOL EQUIPMENT**

Model Number And Type Of Filter \_\_\_\_\_  
 Model Number And Type Of Chemical Feeder \_\_\_\_\_  
 Model Number And Type Of Pump \_\_\_\_\_  
 Model Number And Type Of Skimmer \_\_\_\_\_  
 Model Number And Type Of Multi-port Valve \_\_\_\_\_  
 Model Number And Type Of Main Drain Cover \_\_\_\_\_  
 Model Number And Type Of Equalizer Line Cover \_\_\_\_\_  
 Other \_\_\_\_\_

**WADING POOL EQUIPMENT**

Model Number And Type Of Filter \_\_\_\_\_  
 Model Number And Type Of Chemical Feeder \_\_\_\_\_  
 Model Number And Type Of Pump \_\_\_\_\_  
 Model Number And Type Of Skimmer \_\_\_\_\_  
 Model Number And Type Of Multiport Valve \_\_\_\_\_  
 Model Number And Type Of Main Drain Cover \_\_\_\_\_  
 Model Number And Type Of Equalizer Line Cover \_\_\_\_\_  
 Other \_\_\_\_\_

**SPA EQUIPMENT**

Model Number And Type Of Filter \_\_\_\_\_  
 Model Number And Type Of Chemical Feeder \_\_\_\_\_  
 Model Number And Type Of Pump \_\_\_\_\_  
 Model Number And Type Of Pump For Jet System \_\_\_\_\_  
 Model Number And Type Of Skimmer \_\_\_\_\_  
 Model Number And Type Of Multi-Port Valve \_\_\_\_\_  
 Model Number And Type Of Main Drain Cover \_\_\_\_\_  
 Model Number And Type Of Equalizer Line Cover \_\_\_\_\_  
 Other \_\_\_\_\_



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Depth Markers

- C. Depth markers are located at or above the waterline on the vertical pool wall and on the top of the coping or edge of the deck.
- C. Depth markers installed at intermediate increments of water depth not to exceed 2 feet, not spaced at distances greater than 25 feet intervals.
- C. Depth markers are 4 inch minimum height.
- C. Pools depths of 5 feet or less shall display the "NO DIVING" symbol.

Comment \_\_\_\_\_

**10.17.01.28 SUCTION ENTRAPMENT PREVENTION**

Not Applicable

- C.(1) Main drain line is connected to a minimum of two main drain outlets that are:
  - C.(1)(a) Not isolated by a valve or other means;
  - C.(1)(b) Spaced at least 3 feet from edge to edge; and
  - C.(1)(c) Hydraulically balanced.
- C.(2) Or an unblockable drain
- D. A drain cover is securely attached and in compliance with ANSI main drains and equalizer lines.
- E.(1) Skimmer is connected to equalization line, main drain line, vent, or another skimmer that cannot be isolated by a valve or other means.
- E.(2) Skimmer lid is vented.
- H.(1) A suction outlet is provided with a cover that has been tested and approved by a nationally recognized testing laboratory and complies with ANSI/ASME A112.10.8M-1987.
- H.(2) A drain that is not at least 12 x 12 inches in area is provided with an anti-vortex cover.
- H.(6) The maximum velocity in the design of the drain piping does not exceed 6 feet per second when 100% of the circulation system design flow is drawn through the drain piping of any single drain.
- H.(7)(c) The lines and equipment shall be labeled or color coded for ready identification, and
- H.(7)(d) The on/off switch for circulation pumps shall be clearly identified and labeled.
- H.(8) Check valves in the suction line to pumps are removed.

Comment \_\_\_\_\_

**10.17.01.25 CIRCULATION SYSTEMS**

Not Applicable

Recreational Pool, Semipublic Pool Or Public Spa

- A.(1) A pressure gauge on the filter or on the influent side of the filter piping.
- A.(2) A pressure gauge on the effluent side of the filter piping.
- A.(3) A vacuum or compound gauge on the influent side of a pump.
- A.(4) A flow meter that:
  - A.(4)(a) Indicates the rate of flow through the circulation system,
  - A.(4)(b) Has a permanent scale readable in gallons per minute,
  - A.(4)(c) Is accurate to within ten percent of the actual flow, and
  - A.(4)(d) Reads in the range encompassing the minimum and maximum flow rate.
- A.(5) A thermometer on the return line to a pool or spa if the circulation system includes a heating system.
- A.(6) A manually operated air release valve on a pressure filter or a separation tank, or both.
- C. Head loss calculations, including the following:
  - C.(1) Piping head loss, found by using the Hazen-Williams formula
  - C.(2) Equipment head loss, including filters, valves, heaters, and other circulation equipment, based on the manufacturer's specifications for the equipment at the design flow rate, and filter pressure differential with the filter in a clean and in a dirty condition
  - C.(3) Elevation of pump suction and discharge in relation to the pool or spa water surface level
  - C.(4) Determination of the total dynamic head of the circulation system for use in pump selection.

Comment \_\_\_\_\_

Surface To Bottom Flow Ratio

- D.(1)(a) Skimmer pool piping for surface outlets is designed to accommodate 80 % of flow
- D.(1)(b) Skimmer pool piping for bottom outlets is designed to accommodate 20% of flow
- D.(2) Gutter pool a flow design of 50 % from the surface outlets and 50% from bottom outlets
- E.(1) Pools do not exceed the filter design capacity
- F.(1) Recreational pools, semipublic pools, or public spas can not be interconnected with a spa or wading pool except during filling.
- F.(2) Can not be interconnected with a spray pool

Comment \_\_\_\_\_

Flow Rates

- B.(2) The flow through a circulation system is maintained between the minimum turnover rate and the design capacity of the filter system and associated piping
  - B.(1)(a) Swimming And Diving Pools Minimum Turnover Rate = Volume Of Pool In Gallons/480 Minutes
  - B.(1)(b) Water Recreational Attractions/Therapy Pools Minimum Turnover Rate = Volume Of Pool In Gallons/360 Minutes
  - B.(1)(c) Pools for wading have a minimum turnover rate equal to the greater of:
    - B.(1)(c)(i) Volume of pool in gallons/120 Minutes; or
    - B.(1)(c)(ii) The minimum flow required for the skimmer system and main drains to operate according to manufacturer's specifications
  - B.(1)(d) Spas Minimum Turnover Rate = Volume Of Spa/30 Minutes
  - B.(3)(a) LPUP Residential in-ground = 12 hour turnover rate

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B.(3)(b) LPUP Aboveground/on-ground residential = 12 hour turnover rate

Comment \_\_\_\_\_

**10.17.01.26 CIRCULATION SYSTEM COMPONENTS**

Not Applicable

A. Skimmers, pumps, filters, multi-port valves, adjustable output rate chemical feeders, flow through chemical feeders, chemical process equipment, chlorine generators, ion generators, and other pool and spa equipment must be NSF approved.

C.(1) Chemical feeder is capable of providing the minimum required disinfectant residual to the pool.

Comment \_\_\_\_\_

Vacuum Systems

E.(2) Four or fewer skimmers may use skimmer outlet pipes for vacuum purposes.

E.(3) Four or more skimmers shall ensure a vacuum system is provide that is separate from the skimmer or gutter system.

E.(4)(a) Vacuum fitting is located approximately 1 foot below the water surface.

E.(4)(b) Vacuum fittings are provided with flush removable caps.

Comment \_\_\_\_\_

**10.17.01.23 EQUIPMENT ROOMS**

Not Applicable

B.(1) Weather tight construction to prevent the entrance of precipitation.

B.(2) Adequate floor area for safe access to all equipment.

B.(3) A minimum ceiling height of 7 feet 6 inches.

B.(4) A waterproof floor that drains to a floor drain.

B.(5) A lockable entrance door.

B.(6) A minimum of 20 foot candles of artificial illumination.

B.(7) Ventilation sized at 2 cubic feet per minute per square foot of floor area that has:

B.(7)(a) Mechanical exhaust ventilation if chemicals are used or stored in the equipment room; or

B.(7)(b) Natural or mechanical exhaust ventilation if chemicals are not used or stored in the equipment room.

B.(8) Adequate make up air to replace the air exhausted by the ventilation system.

B.(9) A hose bibb with an atmospheric vacuum breaker.

B.(10) A water-resistant data sheet that is posted in a conspicuous place for each pool or spa and that includes:

B.(10)(a) Volume of water,

B.(10)(e) Length of water perimeter,

B.(10)(b) Minimum turnover rate,

B.(10)(f) Maximum bather load, and

B.(10)(c) Maximum filter capacity,

B.(10)(g) Operating instructions for valves and equipment

B.(10)(d) Water surface area,

Comment \_\_\_\_\_

**10.17.01.13 STANDARD FOR RECREATIONAL AND SEMIPUBLIC POOLS (HEATERS)**

Not Applicable

C. Gas heaters comply with the requirements of ANSI-Z21.56 gas fired pool heaters.

C. Electrical heaters comply with the requirements of UL 1261, standard for electric waters for pools and tubs.

C. Heat pumps comply with UL 1995 standard for heating/cooling equipment specifications and are accepted by a recognized testing facility.

Comment \_\_\_\_\_

**10.17.01.38 EQUIPMENT INSTALLATION AND OPERATING INSTRUCTIONS**

Not Applicable

C. Valves, controls, and piping are permanently numbered, labeled, or color-coded to identify their purpose or function

D. Operating instructions referring to the name, label, or color code of the valves, controls, and piping and are posted in the equipment room in a water resistant cover.

Comment \_\_\_\_\_

**10.17.01.31 FILTER BACKWASH WATER DRAINAGE DISPOSAL**

Not Applicable

A.(1) Backwash complies with COMAR 09.20.01, local sanitary coded, and discharge requirements of COMAR 26.08.01 – 26.08.04.

Comment \_\_\_\_\_

**10.17.01.29 CHEMICAL STORAGE AREA**

Not Applicable

A. Protected against the weather, excess heat, and moisture.

B.(1) Lockable door which can be opened from the inside.

B.(2) Ventilation that is sized at 2 CFM per square foot and exhausts to the open air.

B.(3) 20 foot candles of illumination.

B.(4) Storage for chemicals in accordance with the material safety data sheet.

Comment \_\_\_\_\_

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**10.17.01.49 CHEMICAL HANDLING AND STORAGE**  Not Applicable

A. A material safety data sheet for a potentially hazardous chemical is available to the operator.

Comment \_\_\_\_\_

**10.17.01.13 STANDARD FOR RECREATIONAL AND SEMIPUBLIC POOLS (DECKS)**  Not Applicable

C. Step risers for the deck are uniform and have minimum height of 3-3/4 inches and a maximum height of 7-1/2 inches. A handrail is provided for stairs having three or more risers. The minimum tread distance from front to back shall be 11 inches.

C. The deck or unobstructed access shall be provided at a minimum of 65% of the pool perimeter to meet the requirement of the 10/20 rule.

Comment \_\_\_\_\_

**10.17.01.22 DECKS**  Not Applicable

Recreational Or Semipublic  Not Applicable

A.(1)(a) Completely surrounds the pool.

A.(1)(b) Is continuous with a minimum unobstructed width of 4 feet and an average width of 6 feet.

A.(1)(c) Is in conformance with American National Standard For Public Swimming Pools (ANSI/NSPI-1 2003),

Comment \_\_\_\_\_

Spa  Not Applicable

A.(2) A deck at a public spa is in conformance with American National Standard For Public Spas (ANSI/NSPI-2, 1999).

Comment \_\_\_\_\_

General

A.(3) The slope of a deck is away from a pool or spa, toward points of disposal, and not less than 1/4 inch/ foot, nor greater than 1/2 inch/ foot.

A.(4) The deck has drainage to deck drains or other points of disposal.

A.(5) The deck's surface is slip-resistant or non-skid.

A.(6) An expansion joint between the coping and deck is sealed with a durable, watertight sealant.

A.(7) A brick, stone, aggregate, or similar deck surface has a sub-deck in the required deck area.

A.(8) A wood deck has a gravel and plastic ground barrier or a concrete sub-deck in the required deck area.

A.(9) The deck does not trap dirt or support or harbor algae.

C. No light poles, structural supports, decorative fountains, waterfalls, and other obstacles or obstructions within 4 feet of a pool or within the required deck area of a spa.

D. An anchor for a fixture used to support a backstroke flag, volleyball net, or similar recreational equipment is fitted with a cap or plug that is flush with the deck when the anchor is not in use.

Comment \_\_\_\_\_

**10.17.01.31 DECK DRAINAGE DISPOSAL**  Not Applicable

A.(2) deck drainage in compliance with COMAR 09.20.01 and local sanitary code requirement.

Comment \_\_\_\_\_

**10.17.01.32 ILLUMINATION OF WATER, DECK, AND WALKWAY**  Not Applicable

Indoor or pool used during nighttime is provided with:

A. Even illumination of the water, deck, and walkways.

B.(1) A combination of underwater lighting and deck lighting where underwater is at least 0.5 watts per square foot of water surface area and deck lighting yields at least 0.6 watts per square foot of required deck area or at least 15 foot candles; or

B.(2) Over head lighting yielding at least 2 watts per square foot of required deck area or at least 20 foot candles of light that is directed on the deck and the water surface so that the entire pool or spa bottom is clearly visible.

D. Walkway lighting yielding at least 15 foot candles of light.

Comment \_\_\_\_\_

**10.17.01.21 BARRIERS**  Not Applicable

A.(1) Recreational pool barrier is at least 72 inches above grade.

Not Applicable

Comment \_\_\_\_\_

Barriers

A.(2) Vertical clearance between grade and bottom of the barrier is 4 inches or less.

A.(3) A sphere 4 inches in diameter can not pass through an opening in barrier or gate.

A.(4) Fence pickets separation is 4 inches or less .

A.(5) Barrier is not easily climbable.

A.(6) If horizontal members are less than 45 inches apart:

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- A.(6)(a) Vertical openings 1 ¾ in width or less,
  - A.(6)(b) Horizontal members are on the inside of barrier.
  - A.(7) Decorative cutouts are 1 ¾ inches in width or less.
  - A.(8) Chain link mesh size is 2 ¼ inches or less.
  - A.(10) The barrier access gate:
    - A.(10)(a) Is located toward shallow end
    - A.(10)(b) Latch is at least 54 inches from grade
    - A.(10)(c) Is lockable
    - A.(10)(d) Opens away from pool
    - A.(10)(e) Minimum width of 4 feet
    - A.(10)(f) Is handicapped accessible.
- Comment \_\_\_\_\_

- A.(11) Doors and windows that open into the pool area enclosed by the barrier have locks.
- Comment \_\_\_\_\_

Semipublic       **Not Applicable**

- B.(1) Is at least 60 inches.
  - B.(2) Has a gate self-closing and self-latching.
  - B.(3) Complies with .21.A(2) –(11).
- Comment \_\_\_\_\_

Wading       **Not Applicable**

- D. Is separated from a pool or spa by a barrier.
  - D.(1) Is at least 36 inches.
  - D.(2) Vertical clearance between grade and bottom of the barrier is 2 inches or less.
  - D.(3) A sphere 4 inches in diameter can not pass through an opening in barrier or gate.
  - D.(4) Has an entrance gate with latch.
- Comment \_\_\_\_\_

**10.17.01.33 VENTILATION OF AN INDOOR RECREATIONAL POOL, SEMIPUBLIC POOL, OR PUBLIC SPA**  **Not Applicable**

- A. A ventilation system exhausts 1 ½ CFM of air per square foot of enclosed area or is capable of dehumidifying the re-circulated air from the enclosed area.
  - B. Make-up air equal to the volume of exhausted air or as required in the ventilation system specifications.
- Comment \_\_\_\_\_

**10.17.01.34 PLUMBING**       **Not Applicable**

- A. Water supply system in compliance with COMAR 26.04.01, 26.04.03, and 24.04.04; COMAR 09.20.01; and local plumbing code requirements.
  - B. Sewage disposal system in compliance with COMAR 26.04.02 and 26.04.03; COMAR 09.20.01; and local plumbing code requirements.
  - C. Drinking fountains at least one for every 5,000 square feet of water surface area.
  - D. Hose bibs equipped with atmospheric vacuum breakers:
    - D.(1) On the deck at 150 feet intervals.
    - D.(2) In the equipment room, and
    - D.(3) In both men's and women's bathhouse.
  - E. Fill spout if installed must be within 10 inches of a ladder or handrail or in front of a lifeguard stand, braced, flexible cover on the tip of the fill spout and an air gap that is two times the diameter of the fill spout.
- Comment \_\_\_\_\_

**10.17.01.35 TOILET, HAND SINK, AND SHOWER FACILITIES**       **Not Applicable**

- A. Bathhouse facility within 100 feet of entrance gate if living quarters or buildings are more that 500 feet from pool entrance.
- Comment \_\_\_\_\_

Fixtures

- A. 1 water closet combination, lavatory, and urinal for the first 100 male users and 1 additional water closet, lavatory, and urinal for each additional 200 male users.
  - A. 2 water closets and lavatories for the first 100 female users and 1 additional water closet and lavatory for each addition 100 female users.
  - A. A minimum of 2 showerheads shall be provided for the first 100 users of each sex. One additional showerhead for each sex shall be added for each additional 50 male or female users.
  - A. Soap dispenser is provided at each lavatory and shatter-resistant mirror
  - A. Toilet paper holders provided at each water closet.
  - A. Sanitary napkin and tampon dispensers are in toilet and/or shower areas designated for female users.
  - A. Baby changing tables shall be provided in all restrooms.
  - A.(4) At least 50% of the required showers located within a bathhouse.
- Comment \_\_\_\_\_

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**10.17.01.36 ANTISCALD PROTECTION FOR SHOWERS**  Not Applicable

Each shower has an approved pressure balanced anti-scald device limiting delivered water temperature to below 115 degrees Fahrenheit.

Comment \_\_\_\_\_

**10.17.01.37 ACCOMMODATIONS FOR DISABLED INDIVIDUALS**  Not Applicable

In compliance with all applicable federal, state, and local codes governing facilities for disabled individuals, including COMAR 05.02.02

Comment \_\_\_\_\_

**10.17.01.40 PUBLIC POOL AND SAFETY**  Not Applicable

First Aid And Lifesaving Equipment

Recreational Pool

- |   |  |
|---|--|
| A.(1)(a) First aid kit  | A.(1)(c) Disposable medical grade examination gloves |
| A.(1)(b) Face mask for CPR  | A.(1)(d) Blood borne pathogen control kit            |
| A.(1)(e) Backboard designed for medical emergency use that is equipped with straps and head immobilizer |  |
| A.(1)(f) Light, strong rescue pole not less than 10 feet long   |  |
| A.(1)(g) Rescue tube designed for lifesaving for each required lifeguard                                |  |

Comment \_\_\_\_\_

Public Spa

- |  |   |
|--|---|
| A.(2) First aid kit  | A.(2) Disposable medical grade examination gloves |
| A.(2) Face mask for CPR  | A.(2) Blood borne pathogen control kit            |
| A.(2) Except at a semipublic spa, a backboard designed for medical emergency use that is equipped with straps and head immobilizer |   |

Comment \_\_\_\_\_

Semipublic Spa

- |                         |   |
|-------------------------|---|
| A.(3) First aid kit     | A.(3) Disposable medical grade examination gloves |
| A.(3) Face mask for CPR | A.(3) Blood borne pathogen control kit            |

Comment \_\_\_\_\_

Semipublic Pool

- A.(4)(a) Light, strong rescue pole not less than 10 feet long.
- A.(4)(a) Ring buoy or similar approved flotation device with an attached throwing rope measuring 50 feet in length or 1 ½ times the width of the pool, whichever is longer.

Comment \_\_\_\_\_

Telephone

- B. Is available within the pool enclosure.
- B.(1) Can directly reach a 911 emergency service without the use of a coin and without connection to an internal switchboard.
- B.(2)(a) Posted with the names and phone numbers of the nearest available police, fire, and ambulance or rescue unit or 911 or with any numbers necessary to reach directly a 911 emergency service center.
- B.(3) Posted with the name and location of the pool facility.

Comment \_\_\_\_\_

Lifeguard Chair

- C.(1) Recreational pool equipped with lifeguard chair that complies with ANSI Public Swimming Pools.
- C.(2) Deck-level chair on deck in shallow water area instead of elevated lifeguard chair.

Comment \_\_\_\_\_

Safety Signs

- F.(2) Spa safety sign is posted in a permanent location adjacent to the spa in compliance with ANSI which includes the user load.
- F.(4) Chemical warning sign is posted at the entrance door to a chemical storage area: **"CAUTION! CHEMICAL STORAGE"**
- F.(5) Chemical vat, feeder, pump, and line is labeled to identify the chemical in use.
- F.(6) Chlorine gas warning sign posted at gas feed room and storage area, **"DANGER-CHLORINE GAS"**
- F.(7) Other warning, health advisory, and safety signs are posted if necessary to protect the public health and safety, for example, **"DANGER! NO DIVING IN SHALLOW WATER"**
- F.(8) Semipublic pool or public spa that does not have a lifeguard on duty has a conspicuous sign posted adjacent to entrances to the pool that reads, **"WARNING; NO LIFEGUARD ON DUTY. DO NOT SWIM ALONE. CHILDREN UNDER 15 SHOULD NOT USE THE POOL OR SPA WITHOUT ADULT SUPERVISION."**
- F.(9) House rules are posted at the entrance to a pool.

Comment \_\_\_\_\_

**10.17.01.47 TEST KITS**  Not Applicable

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A.(1)(a) DPD reagent test for measuring free and combined chlorine or total bromine with an indicator range from 0.0 to 10.0 ppm or with procedures for a dilution test to achieve reading up to 10.0 ppm

A.(1) Test kit for ozone, copper, PHMB, or hydrogen peroxide  Not Applicable

A.(2) Phenol red test kit to measure pH with an indicator range from 7.0 to 8.0 or pH meter.

A.(3) Test kit capable of measuring alkalinity

A.(4) Test kit capable of measuring and calcium hardness

A.(5) Cyanuric acid test kit with an indicator range from 0 to 100 ppm if cyanuric acid used.

Comment \_\_\_\_\_

**10.17.01.14 STANDARDS FOR PUBLIC SPAS**  Not Applicable

A. The maximum water depth is 4 feet measured from the waterline except for spas that are designed for special purposes

A. Multi-level seating may be provided, but the maximum water depth of a seat/sitting bench is 28 inches measured from the waterline

A. The disconnect switch labeled and accessible, located within sight of the spa and at least 5 feet horizontal from the inside walls of the spa

A. Spa use safety sign is posted in a prominent location adjacent to the entrance of the spa

B.(1) A swim spa has clearly identified controls for the swim jets

B.(2) A shut-off switch for the swim jets that is accessible from within the swim spa

C.(1) Spa hydroject circulation system is not connected to a spa filtration system

C.(2) Spa hydrojet circulation system has a shut-off switch

Comment \_\_\_\_\_

**10.17.01.27 DIVING AREA AND EQUIPMENT**  Not Applicable

A. Competitive aquatic events as defined in ANSI must meet ANSI standard 4.4.3

B.(1) Pools built after February 1997 must comply COMAR 10.17.01.27.B.1

C. Pools built before 1997 must comply with sections 5.6 – 5.7.7 of ANSI

E. Diving boards in excess of 10 feet above the water line and diving platforms are in compliance with section 4.5.4 of American National Standard For Public Swimming Pools.

F. Starting blocks for non-competitive aquatic events meet COMAR 10.17.01.27.F

Comment \_\_\_\_\_

Unobstructed Clearance

D.(1)(a) 13 feet measured upward from the plummet

D.(1)(b) Greater than 13 feet if specified by manufacturer

D.(2)(a) 16 feet forward of the plummet

D.(2)(b) 8 feet behind the plummet

D.(2)(c) 8 feet to both sides of the plummet

D.(3) A minimum distance of 10 feet between the plummets of adjacent diving boards

Comment \_\_\_\_\_

Distance from a Side Wall

D.(4)(a) 10 feet for a diving board 20 inches or less above the water line.

D.(4)(b) 12 feet for a diving board greater than 20 inches above the water line.

Comment \_\_\_\_\_

**10.17.01.16 STANDARDS FOR WATER RECREATIONAL ATTRACTIONS**  Not Applicable

A. Is designed to eliminate or minimize safety hazards such as entrapment, concealment, slipping, abrasions, cuts, punctures, falls, trip hazards, impact injury, and drowning

A. A water recreational attraction has a communication system for use by supervisors, watchers, and lifeguards

B. Plans for supervision, attendants, and lifeguards are submitted and include safety personnel at all potentially hazardous activity areas

Comment \_\_\_\_\_

Swimming Pool Slide  Not Applicable

C. Swimming pool slides comply with the requirements of the CPSC as published in the code of federal regulations, 16 CFR, Part 1207

C.(1) A swimming pool slide has attachments that firmly anchor the swimming pool slide

C.(2)(a) At the end of the slide a minimum water depth of 4 feet, or a water depth in conformance with the manufacturer's installation instructions, for a distance of 10 feet along the slide centerline

C.(2)(b) At the end of the slide a minimum water depth of 6 inches, or a water depth in conformance with the manufacturer's installation instructions, for a swimming pool slide designed to slow an individual to a near stop at the end of the slide

C.(3) A cushioned landing mat below the end of a swimming pool slide if there is a potential for impact or abrasion

C.(4) A centerline distance from the end of a slide to a wall, lifeline, transition point, centerline from another slide, or obstruction that eliminates the potential for an individual using the slide to strike a wall, lifeline, transition point, and individual using another slide, of an obstruction

C.(5) A minimum side distance of 4 feet from the centerline of a slide to a wall, lifeline, transition point, or obstruction

Maryland Department of Health (MDH)  
Public Pool or Spa Plan Review (COMAR 10.17.01)

Project Name \_\_\_\_\_

Date \_\_\_\_\_

The following information is required for the MDH public pool or spa plan review. Ensure that the detailed specifications are provided to MDH along with the application. The review will not begin until each application item is provided.

- C.(6) A design that eliminates the potential for an individual to strike the pool deck or coping while traveling down the swimming pool slide
  - C.(7) A slide end that extends beyond the pool wall, deck, and coping
  - C.(8) A minimum side distance of 12 feet between the centerline of a slide and a diving board, diving platform, or starting block
  - D.(1) A water slide is compliance with COMAR 09.12.63, as verified by documentation from the DLLR
  - D.(2) A water slide exits to a plunge pool or slide run out
- Comment \_\_\_\_\_

Wave Pool or Tube Ride       **Not Applicable**

- E. Is provided with an emergency shut-off switch at each guard station
  - F. A tube ride has designated entry and exit points
- Comment \_\_\_\_\_

Spray Pool       **Not Applicable**

- G.(1) A bottom that slopes from ¼ inch per foot to 5/8 inch per foot to a drain with grate
  - G.(2) Has no standing water
  - G.(3) No obstruction less than 4 feet in height
- Comment \_\_\_\_\_

Single Lane Pool Used For Laps       **Not Applicable**

- H.(1) Has a minimum width of 7 ½ feet
  - H.(2) If the water depth is feet or less, has a sign on the deck that reads, "warning: no diving – shallow"
- Comment \_\_\_\_\_

Recreational Equipment Located Within A Pool Or Spa       **Not Applicable**

- I. A decorative fountain or waterfall installed in or connected to a pool or spa does not create a health or safety hazard
  - J.(1) Is designed to eliminate or minimize safety hazards such as entrapment, concealment, slipping, abrasions, cuts, punctures, falls, trip hazards, impact injury, and drowning
  - J.(2) Is limited to shallow water area
  - J.(3) Has a color that contrast with the pool or spa so that the structure is highly visible
  - J.(4) Has pipes or support columns that are a least 6 inches in diameter
  - J.(5) Is provided with an overhead clearance of 7 feet from the pool floor and 4 feet from the water surface id a person can walk under the fixture
  - J.(6) Is provided with re-circulated, treated pool water for a spray, stream, or other flow of water
  - J.(7) Is installed according to the manufacturer's directions
  - K. The water surface is maintained at a level that allows the surface overflow system to operate properly
  - L. At least two interconnected main drains are installed in the deepest part of a pool and are connected to the filtration system
  - N. A slide or water feature circulation pump has a check valve on the discharge side
- Comment \_\_\_\_\_

- O. Returns from a filtration system are placed to provide even and positive circulation and to eliminate any dead spots
- Comment \_\_\_\_\_

Pump Reservoir Or Surge Tank Is Provided For A Slide Or Water Feature Circulation Pump Intake       **Not Applicable**

- M.(1) Is made of concrete or other impervious material with a smooth slip-resistant finish
  - M.(2) Has inlets through a weir or a gravity-fed drain with a secure grate
  - M.(3) Has a volume equal to 2 minutes of the combined flow of all pumps connected to the reservoir or tank
  - M.(4) Is accessible only to authorized individuals
  - M.(5) Has pump intakes located in the pump reservoir that are designed to allow cleaning without danger of entrapment
  - M.(6) The water velocity through grate or drain openings does not exceeds 2 feet per second
- Comment \_\_\_\_\_